

IN THE CLAIMS

Please amend the claims as follows:

Claims 1-10 (Canceled).

Claim 11 (New): An electric transmission, comprising:

two electric machines, a shaft of one of the electric machines being connected to a motive power source, the one machine converting mechanical energy to electrical energy, the other electric machine converting electrical energy to mechanical energy, its shaft being connected to the element to be driven, rotors of both machines being disposed concentrically or axially relative to one another, the rotors cooperating with stators whose windings are disposed inside a space defined by the rotors,

wherein the windings comprise a plurality of annular windings juxtaposed in the space, the windings being supplied by alternating currents shifted in phase relative to one another.

Claim 12 (New): An electric transmission according to claim 11, wherein one of the rotors is mounted to rotate on the shaft of the other rotor, and the other rotor drives the rotation of a shaft axially offset from the shaft of the one rotor.

Claim 13 (New): An electric transmission according to claim 11, wherein the stator windings are disposed in the space between the two rotors and comprise a first annular layer of windings cooperating with one of the rotors, surrounding a second annular layer of windings cooperating with the other rotor, the two annular layers of windings being connected mechanically to one another.

Claim 14 (New): An electric transmission according to claim 11, wherein each winding is disposed in a core of ferromagnetic material covered laterally on each side by an end plate of ferromagnetic material provided opposite the rotor with claws engaged between the claws of the end plate situated on the other side of the core.

Claim 15 (New): An electric transmission according to claim 11, wherein each winding is disposed in a core of ferromagnetic material covered laterally on each side by an end plate of ferromagnetic material provided opposite the rotor with teeth pointing toward the rotor.

Claim 16 (New): An electric transmission according to claim 11, wherein each rotor is provided at its periphery with a cylindrical yoke of ferromagnetic material, supporting a series of magnets on its internal face pointing toward the stator windings.

Claim 17 (New): An electric transmission according to claim 11, wherein each rotor is provided on its periphery with a series of ferromagnetic stubs extending opposite the stator windings.

Claim 18 (New): An electric transmission according to claim 11, wherein the annular space between the two rotors is provided with a single series of juxtaposed windings.

Claim 19 (New): An electric transmission according to claim 11, wherein peripheral surfaces of the two rotors are adjacent to one another and the annular windings of the stator are situated opposite the internal surface of the rotor that is situated inside the other rotor.

Claim 20 (New): An electric transmission according to claim 11, further comprising:
a stator composed of a plurality of juxtaposed pancake coils, each provided with an annular winding and supporting on its periphery ferromagnetic claws engaged between the claws of the periphery of the neighboring pancake coil, an intermediate rotor forming an asynchronous cage provided with conductive bars parallel to the axis of the rotor and a series of ferromagnetic stubs situated between the bars, the intermediate rotor being surrounded by an external rotor provided with conductive bars composed of segments parallel to the rotor axis and offset angularly relative to one another and a series of ferromagnetic stubs situated between the bars.